(c) whether this would contribute towards decarbonising India's growth trajectory through reducing our dependence on fossil fuels?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) to (c) The National Action Plan on Climate Change have identified development of solar energy in the country by setting up a National Solar Mission. Ministry of New and Renewable Energy is implementing several schemes to expand use of solar energy in the country by utilizing various technology options, including solar concentrators. Many of the solar energy applications such as solar lights, solar roof top systems, concentrating solar cookers and solar water heaters etc, are already helping in saving of kerosene, diesel or fuel oil.

Schemes of renewable energy

2510. SHRI NANDI YELLAIAH: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the names and details of various' schemes being implemented/proposed to be implemented by the Ministry to increase generation of new and renewable energy in the country; and

(b) the details of physical/ financial performance of these schemes and achievements made thereunder, so far, State-wise?

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH): (a) The schemes/ programmes being implemented to increase generation of power from renewable energy sources include mainly the following:

(i) Wind power programme

(ii) Small Hydro Power programme (upto 25 MW)

(iii) Biomass Power/ Cogeneration programme

(iv) Urban & Industrial Waste to Energy programme

(v) Solar Power programme

Various fiscal and financial Incentives are being extended under these programmes to promote the setting up of the renewable power generation projects, mainly through private investment. These include capital/ interest subsidy, accelerated depreciation and nil/ concessional excise and customs duties. Preferential tariff for grid interactive renewable power is also being given in most potential States.

(b) A grid-interactive power, generation installed capacity of around 14,772 MW from various renewable energy sources has been set up as on 30.06.2009. State-wise and programme-wise details thereof are given in the Statement *(See* below). This apart, around 374 MW of off-grid/ captive power generation capacity from different renewable energy sources has been also established in different parts of the country. The projects for generation of renewable power have been set up with mostly private investment. The estimated total investment on these projects over the last 25 years is estimated at over Rs. 60, 000 crore. Central financial assistance in these projects has been less than 5% of the total investment. This excludes the available fiscal concessions such as accelerated depreciation and concessional excise & customs duties.

Statement

State-wise details of cumulative grid interactive renewable power installed capacity as on 30.06.2009

Sl. No.	State/UT	Small Hydro Power (MW)	Wind Power (MW)	Bio-Power		Solar Power (MW)	Total Capacity (MW)
				Biomass/Cogen. (MW)	Waste to Energy (MW)		
1	2	3	4	5	6	7	8
1	Andhra Pradesh	180.83	122.50	368.25	35.26	0.10	706.94
2	Arunachal Pradesh	61.32				0.02	61.34
3	Assam	27.11					27.11
4	Bihar	54.60					54.60
5	Chhattisgarh	18.05		156.10			174.15
6	Goa	0.05					0.05
7	Gujarat	7.00	1591.90	0.50	0.50		1599.90
8	Haryana	62.70		6.00			68.70
9	Himachal Pradesh	235.92		7.20			243.12
10	Jammu & Kashmir	121.83					121.83
11	Jharkhand	4.05					4.05
12	Karnataka	573.45	1351.00	294.18	1.00		2219.63
13	Kerala	133.87	27.00	0.72		0.02	161.61
14	Madhya Pradesh	71.16	212.80	3.42	2.75	0.10	290.23
15	Maharashtra	211.33	1967.70	146.50	1.00		2326.53

1	2	3	4	5	6	7	8
16	Manipur	5.45					5.45
17	Meghalaya	31.03		13.80			44.83
18	Mizoram	24.47					24.47
19	Nagaland	28.67					28.67
20	Orissa	44.30	3.20	2.46			49.96
21	Punjab	123.90		58.00	9.25	0.32	191.47
22	Rajasthan	23.85	735.40	31.30		0.15	790.70
23	Sikkim	47.11					47.11
24	Tamil Nadu	90.05	4373.90	402.66	4.25	0.05	4870.91
25	Tripura	16.01					16.01
26	Uttar Pradesh	25.10		379.36	5.00	0.38	409.84
27	Uttaranchal	127.92				0.05	127.97
28	West Bengal	98.40	1.10			0.05	99.55
29	Andaman & Nicobar	5.25				0.10	5.35
30	Chandigarh						
31	Dadar & Nagar Haveli						
32	Daman & Diu						
33	Delhi						
34	Lakshadeep					0.76	0.76
35	Pondicherry					0.02	0.02
	TOTAL (MW)	2454.78	10386.50	1870.45	59.01	2.12	14772.86

MW = megawatt